

FY 16/ 17 Project Status Report

Project Number	Title	Status
D4-17-01	Comparative Analysis of Tidal Flooding Countermeasures	Pending further review
D7-17-01	Understanding Safety Effects of Street Lighting in Pedestrian Fatality Reduction and Development of Crash Modification Factors	Approved
GEO-17-01	LRFD Resistance Factors for Shallow Foundations Subject to Combined Lateral and Axial Loading	BDV31 977-66 – Executed
GEO-17-02	Measurement System for Pile Rebound During Construction and Design Geotechnical Investigation	Scope under review
GEO-17-03	Estimating Soil Pressure Against Unyielding Surfaces	Withdrawn
GEO-17-04	Improving Design Phase Evaluations of High Pile Rebound Soils with an Emphasis on SPT Testing	BDV28 977-05 – Executed
GEO-17-05	LRFD Resistance Factors for Drilled Shaft Tip Grouted	BDV25 977-31 - Executed
GEO-17-06	Development of Statistical Models to Predicts the Compressibility of Florida's Soils	Scope under review
GEO-17-07	Use of Geophysical Methods to Investigate Roadway Settlements and Collapses due to Leaking Storm Water Pipes	Not Approved
ISD-17-01	Integrating Electric Vehicles into Local and Regional Planning	Withdrawn
ISD-17-02	Mobility for Transportation Disadvantaged using AV/CV Technologies	Pending further review
ISD-17-03	Best Practices in Concept of Operations Development and Use for Express Lane Projects	Not Approved
ISD-17-04	Florida Innovative and Research in Shared Transportation (FIRST) Project	Pending further review
ISD-17-05	Florida Aviation Activity Forecast Methodologies and Tools Development	BDV25 977-36 - Executed
ISD-17-06	Florida Airport Sustainability Tracking/Monitoring System	BDV25 977-39 - Executed
ISD-17-07	Crash Hot Spot Analysis to Determine First Deployment Areas for Connected Vehicle Roadside Devices	Withdrawn
ISD-17-08	Assessing Generational Reactions to CV Messaging	Pending further review
ISD-17-09	Florida Access Management Benchmarking Study with update to the Existing Model Code for Local Governments to Help Support Access Management	Benchmarking Study Approved
ISD-17-10	Bicycle LOS Model for Emerging Facility Types and Lane Elimination Projects	Not Approved
ISD-17-11	Large Truck Crash Analysis for Freight Mobility and Safety Enhancement in Florida	BDV29 977-31 – Executed
ISD-17-12	Incorporating Travel Time Reliability in PD&E	Not Approved
ISD-17-13	Economic Analysis Framework for Freight Transportation Based on Florida Statewide Multi-Modal Freight Model	BDV31 977-63 – Executed

MNT-17-01	Evaluating Subsystem Alternatives to Prototype a Multi-Sensor UAS for Infrastructure Inspections	Advanced – executed
MNT-17-02	Best Management Practices for Taller Turn Grasses and Storm Water Quality	Pending further review
MNT-17-03	Bidens and the Effects on Roadside Turf Grasses	Pending further review
MNT-17-04	Wild Pollinators on the State Right of Way	Pending further review
SMO-17-01	Evaluation of Corrosion Inhibiting Materials Applied by Impregnation Methods to Prevent Corrosion of Post-Tensioned Tendons	BDV25 977-35 – Executed
SMO-17-02	Develop Statistical Models Quantifying the Relationship Between Pavement Surface Friction Characteristics and Traffic Accident Rates	Advertised – combined with SMO-17-06
SMO-17-03	Use of Infrared Thermography for the Inspection of Welds in the Shop and Field	BDV31 977-64 - Executed
SMO-17-04	Evaluation of FC-5 with PG 76-22 HP to Reduce Raveling (Contingency)	BE287 – Executed
SMO-17-05	Evaluation of Use of Ultra-High Performance Concrete UHPC for Repair of Deteriorated or Damaged Structures	Pending further review
SMO-17-06	See SMO-17-02	
SMO-17-07	Development of Calcined Clays as Pozzolanic Additions in Portland Cement Concrete Mixes	BDV25 977-38 - Executed
SMO-17-08	Enhanced Characterization of RAP for Cracking Performance	BDV31 977-70 – Executed
SMO-17-09	Durability Evaluation of Ternary Mix Designs for Extremely Aggressive Exposure	BDV31 977-65 - Executed
STR-17-01	Shear Behavior of Webs Post-Tensioned with Tendons Containing Flexible Fillers	BDV31 977-71 - Executed
STR-17-02	Fiber-Reinforced Concrete Traffic Railings	BDV31 977-72 - Executed
STR-17-03	Straight Steel I-Girder Bridges with Skew Index Approaching 0.3	Scope under review
STR-17-04	Confined Anchor Breakout with Moment-Resisting Baseplates	Advertised
STR-17-05	Design Guidance on Embedment Length of Large Diameter Reinforcement in UHPC	Withdrawn
STR-17-06	Fabrication and Evaluation of Positive Grip Span Locks	Pending further review
TEO-17-01	Geospatial Methodology for Identifying Transportation Service Availability Gaps for Florida’s Vulnerable Populations	BDV31 977-67 – Executed
TEO-17-02	Improve Dynamic Pricing Strategy and Increase Drivers’ Understanding of Pricing for Express Lane Facilities	Pending further review
TEO-17-03	Integrated Freeway/Arterial Active Traffic Management (IATM)	BDV24 977-22 – Executed
TEO-17-04	Intersection Collision Avoidance System using Connected Vehicles Technology	Pending further review
TEO-17-05	Feasibility of Using Video Image Detectors for Ramp Signal Operations and Performance Monitoring	BDV29 977-30 - Executed

TEO-17-06	Evaluation of Incident Response Improvements for Statewide Application: Learning from the New Regional Management Center in Jacksonville, FL	BDV34 977-10 - Executed
TEO-17-07	Acceptability of Congestion Pricing: Case Study of Jacksonville, Orlando, and Miami	Pending further review
TEO-17-08	Repurposing Vehicle Detection Cameras for Arterial Management Data Collection	Scope under review
TEO-17-09	Development of a Traffic Map Evaluation Tool for TMC Application	Scope under review
TPK-17-01	Use of Communication Technologies to Enhance Public Involvement in Transportation Projects	BDV29 977-32 – Executed

Updated 04/04/17

Approval is contingent upon an acceptable scope of work, budget and project timeline. Approved status does not authorize universities or vendors to incur any expenses in preparation of scope or hiring of project personnel.

Pending further review projects require additional review and coordination.